

Oto Sheet

HBA-2030 High Power Biconical Antenna

Product Overview

The TDK RF Solutions HBA-2030 High Power Biconical Antenna is a new generation biconical dipole that covers the operating frequency range of 20 MHz to 300 MHz. The HBA-2030 offers an unprecedented combination of high power handling, balance, and pattern control, which makes it an excellent choice for immunity measurements.

Precision Design Designed in-house by our product design engineers, the HBA-2030's patent-pending balun design provides *greatly* improved balance at low frequencies. The unique cage design provides improved antenna factor at the low end as well as mode-free operation to 300 MHz and higher. The HBA-2030 is manufactured using low-tolerance, precision fabrication methods to minimize intrinsic uncertainties. This mechanically-precise, weld-free design yields predictable performance and delivers accurate, consistent measurements.

Immunity and Emissions Measurements For radiated immunity testing, the HBA-2030 is a highly efficient radiator with a low VSWR (<2.5:1 average). The HBA-2030's high power handling capability (3500W continuous) accommodates the majority of immunity test applications.



The TDK RF Solutions HBA-2030 High Power Biconical Antenna features a patent-pending design that provides optimum performance over the frequency range of 20 MHz to 300 MHz.

Features

- Improved balun provides superior patterns and balance
- Improved cage design provides enhanced low frequency performance and mode-free operation to 300 MHz and higher
- High power handling (3500W)
- Individually calibrated with signed certificate of calibration.

Applications

 Designed primarily for immunity testing, but the balance and pattern of the HBA-2030 easily meet the requirements for emissions measurements



HBA-2030 High Power Biconical Antenna

Electrical Characteristics

Frequency Range: 20 MHz to 300 MHz

VSWR: 2.5:1 average

Polarization: Linear

Power Handling: 3500 W continuous

Feedpoint Impedance: 50 ohms nominal

Mechanical Specifications

Size: 138 cm x 56 cm x 56

cm (56" W x 22" D x

22" H)

Weight: 4 kg (9lbs)

Construction: Aluminum

RF Connector: SC

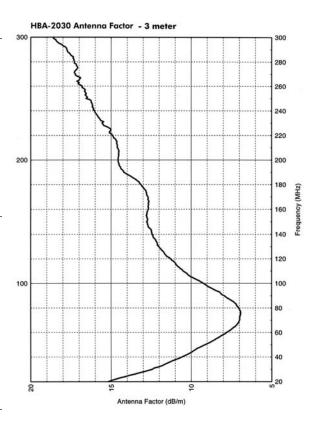
Ordering Information

Product: High Power Biconical

Antenna

Model Number: HBA-2030

Warranty: 1 year Limited



To place an order or to learn more about the TDK RF Solutions products that best meet your needs, contact your TDK sales representative:

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